CLAIMS

What is claimed is:

1. A system for expanding the database includes :

    a database website including:

    a storage unit for storing a plurality of databases;

    a download unit for selecting and downloading the database of the storage unit;

    an authentication unit for confirming the validity of installing the database;

    a client end, with a connection to the database website, for choosing the database from the download unit and then retrieving a number of download and installation times for downloading and installing on-line after paying for the chosen database, the client end includes:

    > a storage and installation module for storing and installing the database downloaded from the download unit, and contains an encryption maker for encrypting the database; and

    > an authentication module for sending one authentication code of the client end to the authentication unit before complete installation of the storage and installation module, and an authentication approval message is received from the authentication unit and sent to the storage and installation module to encrypt the database with the authentication code by the encryption maker after confirmed, then the storage and installation module completely installs the encrypted database on line.

2. The invention as recited in claim 1, wherein the client end further includes a decryption module which utilizes the authentication code to decrypt the database when

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the database being operated.

3. The invention as recited in claim 2, wherein the decryption module, the encryption maker, and one encryption and decryption maker of the authentication unit further utilize for encrypting and decrypting the authentication code and the authentication message which needs to be sent.

4. The invention as recited in claim 3, wherein the decryption module, the encryption maker, and the encryption and decryption maker of the authentication unit encrypt and decrypt the database with database installing time of the client end.

5. The invention as recited in claim 1, wherein the download unit further includes a recorder for recording the times of downloading and installing the database to confirm if download and installation is still valid by checking the authentication code.

6. The invention as recited in claim 5, wherein the authentication code is the client end's ID, password, and harddisk serial number.

7. The invention as recited in claim 6, wherein when the harddisk serial number differs from the harddisk serial number of previous database download and installation, the recorder renews the download and installation times.

8. The invention as recited in claim 7, wherein the download and installation times are download and installation times, which have been already made.

9. The invention as recited in claim 7, wherein the download and installation times are remaining download and installation times.

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10. The invention as recited in claim 5, wherein the authentication code is the client end's ID, password, and manufacture number.

11. The invention as recited in claim 10, wherein when the manufacture number differs from the manufacture number of previous database download and installation, the recorder renews the download and installation times.

12. The invention as recited in claim 11, wherein the download and installation times are download and installation, which have been already made.

13. The invention as recited in claim 11, wherein the download and installation times are remaining download and installation times.

14. A method for expanding the database, which a client end utilizes for connecting a database website where stores plurality of databases, and for selecting, downloading and installing the database, the method includes the steps of:

selecting the database;

paying for the chosen database;

gaining a number of download and installation times of the database for downloading and installing on line;

downloading and installing the database;

sending an authentication code to the database website;

vervifying the authentication code, and sending back an authentication approval message through the database website;

receiving the authentication approval message;

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encrypting the database with the authentication code; and

completely install the encrypted database on line.

15. The invention as recited in claim 14, wherein the step of completely installing the encrypted database on line further includes a step of decrypting the database with the authentication code.

16. The invention as recited in claim 14 includes a step of encrypting the authentication code with the time of installing the database at the client end prior to the step of sending an authentication code to the database website.

17. The invention as recited in claim 16, wherein the step of sending an authentication code to the database website further includes a step of decrypting the authentication code by the database website.

18. The invention as recited in claim 14, wherein the authentication approval message is sent back after being encrypted with the database installation time of the client end.

19. The invention as recited in claim 18, wherein the step of receiving the authentication approval message further includes a step of decrypting the authentication approval message.

20. The invention as recited in claim 14, wherein the authentication code is the client end's ID, password, and harddisk serial number.

21. The invention as recited in claim 14, wherein the authentication code is the client end's ID, password, and manufacture number.

22. The invention as recited in claim 14, wherein the step of verifying the

authentication code through the database website and sending back an authentication approval message further includes the steps of:

confirming the difference between the authentication code and previous authentication code of the database download and installation; and

renewing the number of download and installation times.

23. The invention as recited in claim 22, wherein the download and installation times are download and installation, which have been already made.

24. The invention as recited in claim 22, wherein the download and installation times are remaining download and installation times.